Author Index of Volume 46

Andreev, A. A., 201
Andreini, A., 151

Baoan Zhang, 229
Boelhouwer, C., 297
Brégeault, J.-M., 37
Bugli, G., 37

Ceausescu, E., 405, 415, 423
Chaumont, P., 317
Chipara, M., 405, 423
Chuvilin, A. L., 209
Coca, S., 405, 415, 423
Cornilescu, A., 405, 415, 423
Cuzmici, M., 405, 415, 423

Dai Jin, 229
Danilyuk, A. F., 209
Delamar, M., 37
Denzner, M., 341
Derdar, F., 37
Diakun, G., 131
Dimonie, M., 405, 415, 423
Dragutan, V., 405, 415, 423
Du Plessis, J. A. K., 287

Edreva-Kardjieva, R. M., 201
El Ali, B., 37
Elev, I. V., 187
Ellison, A., 131

Feldman, J., 243
Fischer, H., 277
Foltynowicz, Z., 329

Garrone, E., 61
Ghiotti, G., 61
Gilian, E. M. D., 359
Gilliom, L., 255
Goller, R., 267
Goto, H., 157
Grosescu, R., 405
Grubbs, R. H., 255
Gulinski, J., 329
Guo Xiexian, 119
Guthmann, W., 341

Hamilton, J. G., 359
Hardcastle, F. D., 15, 173
Hobisch, G., 433
Horsley, J. A., 15
Hubca, G. H., 405, 423
Hummel, K., 373, 433

Ishikawa, T., 157
Ivin, K. J., 351

John, C. S., 317

Kawai, T., 157
Kazansky, V. B., 187
Kessler, M., 385
Knoll, K., 243
Kochubey, D. I., 209
Krauss, H. L., 97
Kress, J., 351
Krouse, S. A., 243
Kuznetsov, V. L., 209

Loessel, G., 267

Mackey, O. N. D., 359
Marciniec, B., 329
Marti, M. G., 373
Martin, C., 37
Martin, J., 37
Mol, J. C., 1, 151
Moulijn, J. A., 1
Müller, M. F., 395
Murdzek, J. S., 243

Nicolescu, E., 405, 415, 423

Ohlmann, G., 79
Oprescu, C., 405, 423
Osborn, J. A., 351

Pienaar, J. J., 287
Pongratz, T., 433
Popescu, M., 405, 415, 423

Qinsong Lin, 229

Rebenstorf, B., 109
Reich, P., 79
Richter, M., 79
Rooney, J. J., 359
Rzejak, L., 329

Schmid, J., 277
Schneider, W. A., 395
Schrock, R. R., 243
Schwartau, M., 385
Semm, U., 385
Shelimov, B. N., 187
Shi Yingzhen, 119
Shmachkov, V. A., 209
Stelzer, F., 373, 433
Streck, R., 305

Tanaka, K., 87
Teodorescu, M., 405, 423
Thorn-Csanyi, E., 385

Urbaniak, W., 329

Vasilescu, A., 405
Via, G. H., 15
Vosloo, H. C. M., 287

Wachs, I. E., 15, 173
Weiss, K., 267, 341
Worthington, P., 131

Xu Yide, 119

Yamazaki, Y., 157
Yang, D. C., 243
Yansheng Li, 229
Yermakov, Yu. I., 209

Zecchina, A., 61
Zhang Yihua, 119

© Elsevier Sequoia/Printed in The Netherlands

Subject Index of Volume 46

Absorption
  structure of surface rhenium oxide on alumina from laser Raman spectroscopy and X-ray absorption near-edge spectroscopy, 15
Acrylonitrile
  /butadiene copolymers; metathesis degradation of, 433
Alkanes
  titanametallacyclobutanes; stereochemistry of norbornene polymerisation by, 255
Alkenes, Olefins
  acrylonitrile/butadiene copolymers; metathesis degradation of, 433
  alkene metathesis; activity and selectivity of Re-based catalysts for, 151
  alkene metathesis and alkyne polymerisation with carbyne complex $Cl_3(dme)W{\equiv}CCMe_3$, 267
  bis(benzene)chromium polyethylene catalyst, 109
  cycloolefins:
    initiation routes in metathesis polymerisation of, 415
    oxidation state of W atom in WCl_6-based metathesis catalysts used for ring-opening polymerisation of, 405
    specific behaviour of, in ring-opening polymerisation, 423
  cyclopentadiene and maleic anhydride; kinetics of initiation and propagation of metathesis polymerisation of *exo* Diels–Alder adduct of, initiated by tungsten–carbene complex $W[\overline{C(CH_2)_3CH_2}](OCH_2CMe_3)_2Br_2$, 351
  functionalised olefin metathesis, 297
  hexene-1; metathesis of, over supported rhenia–molybdena–alumina catalysts, 119
  n-; metathesis of, over $CsNO_3$–Re_2O_7–Al_2O_3 catalyst, 157
  norbornene polymerisation; stereochemistry of, by titanametallacyclobutanes, 255
  norbornene and several derivatives; mechanism of stereoselective ring-opening metathesis polymerisation of, 359
  octene-1; metathesis of, with $RN(CH_3)_3ClW(CO)_5/C_2H_5AlCl_2$ as catalytic system, 287
  olefin disproportionation technology (FEAST) — challenge for process development, 317
  olefin metathesis; double bond migration activity of supported Re catalysts for, 201
  olefin metathesis in industry — status report, 305
  olefin metathesis; spectroscopic study of formation of active metal–carbene species in photoreduced silica–molybdena catalysts for, 187
  polyalkenylenes; computer simulation of metathesis reactions of, 373
  propylene metathesis catalysts prepared by interaction of $Re_2(CO)_{10}$ with γ-Al_2O_3, 209
  Si olefins; Ru and Rh complex catalysts for metathesis of, 329
  terminal alkene metathesis; intermediate species of, on molybdena/titanias activated with $SnMe_4$, 87
Alkoxides
  novel Re catalysts (chlorides and/or alkoxides dispersed on inorganic supports) for metathesis; comparison with ammonium perrhenate precursors, 37
Alkyne(s)
  polymerisation and alkene metathesis with carbyne complex $Cl_3(dme)W{\equiv}CCMe_3$, 267
  reactions of, with mononuclear benzylidene complexes and with binuclear μ-benzylidene complexes of W, 277
Aluminium
  EXAFS-XANES studies of Re oxide–alumina and Cr oxide–silica catalysts, 131

© Elsevier Sequoia/Printed in The Netherlands

metathesis of hexene-1 over supported rhenia–molybdena–alumina catalysts, 119
metathesis of n-alkenes over $CsNO_3$–Re_2O_7–Al_2O_3 catalyst, 157
metathesis of octene-1 with RN-$(CH_3)_3ClW(CO)_5/C_2H_5AlCl_2$ as catalytic system, 287
propylene metathesis catalysts prepared by interaction of $Re_2(CO)_{10}$ with γ-Al_2O_3, 209
Raman spectroscopy of chromium oxide supported on Al_2O_3, TiO_2 and SiO_2; comparative study, 173
structure of surface rhenium oxide on alumina from laser Raman spectroscopy and X-ray absorption near-edge spectroscopy, 15

Ammonium perrhenate precursors
novel Re catalysts (chlorides and/or alkoxides dispersed on inorganic supports) for metathesis; comparison with, 37

Aromatic compounds
bis(benzene)chromium polyethylene catalyst, 109
examination of use of polystyryllithium as cocatalyst in metathesis reactions, 385
reactions of alkynes with mononuclear benzylidene complexes and with binuclear μ-benzylidene complexes of W, 277

Caesium
metathesis of n-alkenes over $CsNO_3$–Re_2O_7–Al_2O_3 catalyst, 157

Carbene
kinetics of initiation and propagation of metathesis polymerisation of *exo* Diels–Alder adduct of cyclopentadiene and maleic anhydride initiated by tungsten–carbene complex $W[\overline{C(CH_2)_3CH_2}](OCH_2CMe_3)_2Br_2$, 351
polymerisation and metathesis reactions; heterogeneous bimetallic metathesis catalysts by reactions of differently substituted Fischer-type tungsten carbene complexes with reduced Phillips catalyst, 341
spectroscopic study of formation of active metal–carbene species in photoreduced silica–molybdena catalysts for olefin metathesis, 187

Carbyne
alkene metathesis and alkyne polymerisation with carbyne complex $Cl_3(dme)W{\equiv}CCMe_3$, 267

Chromium
bis(benzene)chromium polyethylene catalyst, 109
evidence for crystalline CrO_3 on Cr/SiO_2 impregnation catalysts by laser Raman spectroscopy, 79
EXAFS-XANES studies of Re oxide–alumina and Cr oxide–silica catalysts, 131
Raman spectroscopy of chromium oxide supported on Al_2O_3, TiO_2 and SiO_2; comparative study, 173

Computer simulation
of metathesis reactions of polyalkenylenes, 373

Crystallinity
of *trans*-polyoctenamer; characterisation and influence of sample history, 395

Crystals
evidence for crystalline CrO_3 on Cr/SiO_2 impregnation catalysts by laser Raman spectroscopy, 79

Cycloolefins
initiation routes in metathesis polymerisation of, 415
oxidation state of W atom in WCl_6-based metathesis catalysts used for ring-opening polymerisation of, 405
specific behaviour of, in ring-opening polymerisation, 423

Diels–Alder adduct
exo, of cyclopentadiene and maleic anhydride initiated by tungsten–carbene complex $W[\overline{C(CH_2)_3CH_2}](OCH_2CMe_3)_2Br_2$; kinetics of initiation and propagation of metathesis polymerisation of, 351

Disproportionation
olefin, technology (FEAST) — challenge for process development, 317

Fischer-type complexes
polymerisation and metathesis reactions; heterogeneous bimetallic metathesis catalysts by reactions of differently substituted Fischer-type tungsten carbene complexes with reduced Phillips catalyst, 341

Lithium
examination of use of polystyryllithium as cocatalyst in metathesis reactions, 385

Maleic anhydride
kinetics of initiation and propagation of metathesis polymerisation of *exo* Diels–Alder adduct of cyclopentadiene and maleic anhydride initiated by tungsten–carbene complex $W[\overline{C(CH_2)_3CH_2}](OCH_2CMe_3)_2Br_2$, 351

Metathesis
alkene; activity and selectivity of Re-based catalysts for, 151
alkene, and alkyne polymerisation with carbyne complex $Cl_3(dme)W{\equiv}CCMe_3$, 267
degradation of acrylonitrile/butadiene copolymers, 433
functionalised olefin, 297
of hexene-1 over supported rhenia–molybdena–alumina catalysts, 119
MoO_3/SiO_2, catalyst break-in; active site formation and characterisation, 229
of n-alkenes over $CsNO_3$–Re_2O_7–Al_2O_3 catalyst, 157
of octene-1 with $RN(CH_3)_3ClW(CO)_5$/$C_2H_5AlCl_2$ as catalytic system, 287
olefin; double bond migration activity of supported Re catalysts for, 201
olefin, in industry — status report, 305
olefin; spectroscopic study of formation of active metal–carbene species in photoreduced silica–molybdena catalysts for, 187
oxidation state of W atom in WCl_6-based metathesis catalysts used for ring-opening polymerisation of cycloolefins, 405
polymerisation:
controlled ring-opening, by Mo and W alkylidene complexes, 243
of cycloolefins; initiation routes in, 415
of *exo* Diels–Alder adduct of cyclopentadiene and maleic anhydride initiated by tungsten–carbene complex $W[\overline{C(CH_2)_3CH_2}](OCH_2CMe_3)_2Br_2$; kinetics of initiation and propagation of, 351
stereoselective ring-opening, of norbornene and several derivatives; mechanism of, 359
propylene, catalysts prepared by interaction of $Re_2(CO)_{10}$ with γ-Al_2O_3, 209
reactions:
examination of use of polystyryllithium as cocatalyst in, 385
of polyalkenylenes; computer simulation of, 373
and polymerisation; heterogeneous bimetallic metathesis catalysts by reactions of differently substituted Fischer-type tungsten carbene complexes with reduced Phillips catalyst, 341
Re-based, catalysts; structure and activity of, 1
novel Re catalysts (chlorides and/or alkoxides dispersed on inorganic supports) for; comparison with ammonium perrhenate precursors, 37
Ru and Rh complex catalysts for, of Si olefins, 329
terminal alkene; intermediate species of, on molybdena/titanias activated with $SnMe_4$, 87

Migration activity
double bond, of supported Re catalysts for olefin metathesis, 201

Molybdenum
controlled ring-opening metathesis polymerisation by Mo and W alkylidene complexes, 243
intermediate species of terminal alkene metathesis on molybdena/titanias activated with $SnMe_4$, 87
metathesis of hexene-1 over supported rhenia–molybdena–alumina catalysts, 119
MoO_3/SiO_2 metathesis catalyst break-in; active site formation and characterisation, 229
spectroscopic study of formation of active metal–carbene species in photoreduced silica–molybdena catalysts for olefin metathesis, 187

Norbornene
polymerisation; stereochemistry of, by titanametallacyclobutanes, 255

and several derivatives; mechanism of stereoselective ring-opening metathesis polymerisation of, 359

Olefins: see Alkenes
Oxidation state
of W atom in WCl_6-based metathesis catalysts used for ring-opening polymerisation of cycloolefins, 405

Phillips catalyst
IR investigation of polymerisation centres of, 61
reduced; heterogeneous bimetallic metathesis catalysts by reactions of differently substituted Fischer-type tungsten carbene complexes with; polymerisation and metathesis reactions, 341
Phillips systems
new results with; surface compounds of transition metals, 97
Photoreduction
spectroscopic study of formation of active metal–carbene species in photoreduced silica–molybdena catalysts for olefin metathesis, 187
Polyalkenylenes
computer simulation of metathesis reactions of, 373
Polyethylene
bis(benzene)chromium polyethylene catalyst, 109
Polymerisation
alkyne, and alkene metathesis with carbyne complex $Cl_3(dme)W{\equiv}CCMe_3$, 267
centres of Phillips catalyst; IR investigation, 61
metathesis:
controlled ring-opening, by Mo and W alkylidene complexes, 243
of cycloolefins; initiation routes in, 415
of *exo* Diels–Alder adduct of cyclopentadiene and maleic anhydride initiated by tungsten–carbene complex $W[\overline{C(CH_2)_3CH_2}](OCH_2CMe_3)_2Br_2$; kinetics of initiation and propagation of, 351
stereoselective ring-opening, of norbornene and several derivatives; mechanism of, 359
and metathesis reactions; heterogeneous bimetallic metathesis catalysts by reactions of differently substituted Fischer-type tungsten carbene complexes with reduced Phillips catalyst, 341
norbornene; stereochemistry of, by titanametallacyclobutanes, 255
ring-opening:
oxidation state of W atom in WCl_6-based metathesis catalysts used for, of cycloolefins, 405
specific behaviour of cycloolefins in, 423
Polyoctenamer
trans-; crystallinity of; characterisation and influence of sample history, 395
Polystyryllithium
examination of use of, as cocatalyst in metathesis reactions, 385

Rhenium
activity and selectivity of Re-based catalysts for alkene metathesis, 151
double bond migration activity of supported Re catalysts for olefin metathesis, 201
EXAFS-XANES studies of Re oxide–alumina and Cr oxide–silica catalysts, 131
metathesis of hexene-1 over supported rhenia–molybdena–alumina catalysts, 119
metathesis of n-alkenes over $CsNO_3$–Re_2O_7–Al_2O_3 catalyst, 157
propylene metathesis catalysts prepared by interaction of $Re_2(CO)_{10}$ with γ-Al_2O_3, 209
novel Re catalysts (chlorides and/or alkoxides dispersed on inorganic supports) for metathesis; comparison with ammonium perrhenate precursors, 37
structure and activity of Re-based metathesis catalysts, 1
structure of surface rhenium oxide on alumina from laser Raman spectroscopy and X-ray absorption near-edge spectroscopy, 15
Rhodium
and Ru complex catalysts for metathesis of Si olefins, 329
Ruthenium
and Rh complex catalysts for metathesis of Si olefins, 329

Silicon
evidence for crystalline CrO_3 on Cr/SiO_2 impregnation catalysts by laser Raman spectroscopy, 79
EXAFS-XANES studies of Re oxide–alumina and Cr oxide–silica catalysts, 131
MoO_3/SiO_2 metathesis catalysts; breakin; active site formation and characterisation, 229
Raman spectroscopy of chromium oxide supported on Al_2O_3, TiO_2 and SiO_2; comparative study, 173
Ru and Rh complex catalysts for metathesis of Si olefins, 329
spectroscopic study of formation of active metal–carbene species in photoreduced silica–molybdena catalysts for olefin metathesis, 187
Spectroscopy
evidence for crystalline CrO_3 on Cr/SiO_2 impregnation catalysts by laser Raman spectroscopy, 79
EXAFS-XANES studies of Re oxide–alumina and Cr oxide–silica catalysts, 131
IR investigation of polymerisation centres of Phillips catalyst, 61
Raman spectroscopy of chromium oxide supported on Al_2O_3, TiO_2 and SiO_2; comparative study, 173
spectroscopic study of formation of active metal–carbene species in photoreduced silica–molybdena catalysts for olefin metathesis, 187
structure of surface rhenium oxide on alumina from laser Raman spectroscopy and X-ray absorption near-edge spectroscopy, 15
Surface
new results with Phillips systems; surface compounds of transition metals, 97
rhenium oxide; structure of, on alumina from laser Raman spectroscopy and X-ray absorption near-edge spectroscopy, 15
Tin
intermediate species of terminal alkene metathesis on molybdena/titanias activated with $SnMe_4$, 87
Titanium
intermediate species of terminal alkene metathesis on molybdena/titanias activated with $SnMe_4$, 87
Raman spectroscopy of chromium oxide supported on Al_2O_3, TiO_2 and SiO_2; comparative study, 173
stereochemistry of norbornene polymerisation by titanametallacyclobutanes, 255
Tungsten
alkene metathesis and alkyne polymerisation with carbyne complex $Cl_3(dme)W{\equiv}CCMe_3$, 267
controlled ring-opening metathesis polymerisation by Mo and W alkylidene complexes, 243
kinetics of initiation and propagation of metathesis polymerisation of *exo* Diels–Alder adduct of cyclopentadiene and maleic anhydride initiated by tungsten–carbene complex $W[\overline{C(CH_2)_3CH_2}](OCH_2CMe_3)_2Br_2$, 351
metathesis of octene-1 with $RN(CH_3)_3ClW(CO)_5/C_2H_5AlCl_2$ as catalytic system, 287
oxidation state of W atom in WCl_6-based metathesis catalysts used for ring-opening polymerisation of cycloolefins, 405
polymerisation and metathesis reactions; heterogeneous bimetallic metathesis catalysts by reactions of differently substituted Fischer-type tungsten carbene complexes with reduced Phillips catalyst, 341
reactions of alkynes with mononuclear benzylidene complexes and with binuclear μ-benzylidene complexes of W, 277